

Meeting Idaho's Energy Needs Today and Into the Future

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Presentation Content

- Electric Planning: Idaho Power's Integrated Resource Plan
- Siting high voltage transmission lines

Integrated Resource Planning

- Utility Commission requirement by the early 1990s



Plan Objectives: 1 of 4

- Acquire sufficient resources to meet customer demand



Plan Objectives: 2 of 4

- Give equal and balanced treatment to both:
 - Supply-side
 - Demand-side



Plan Objectives: 3 of 4

- Ensure that the resource portfolio balances:
 - cost
 - risk
 - environment



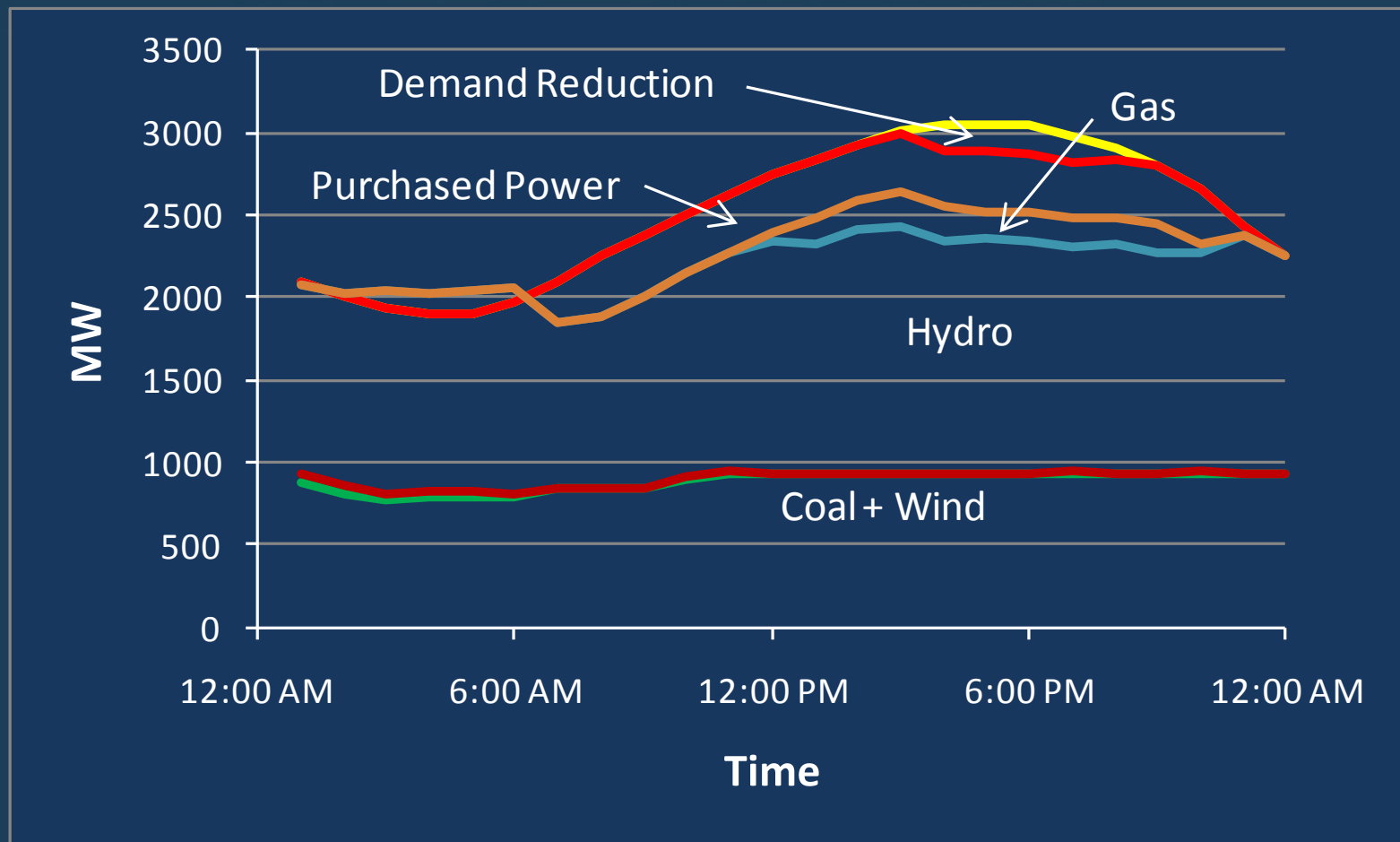
Plan Objectives: 4 of 4

- Conduct a meaningful public process



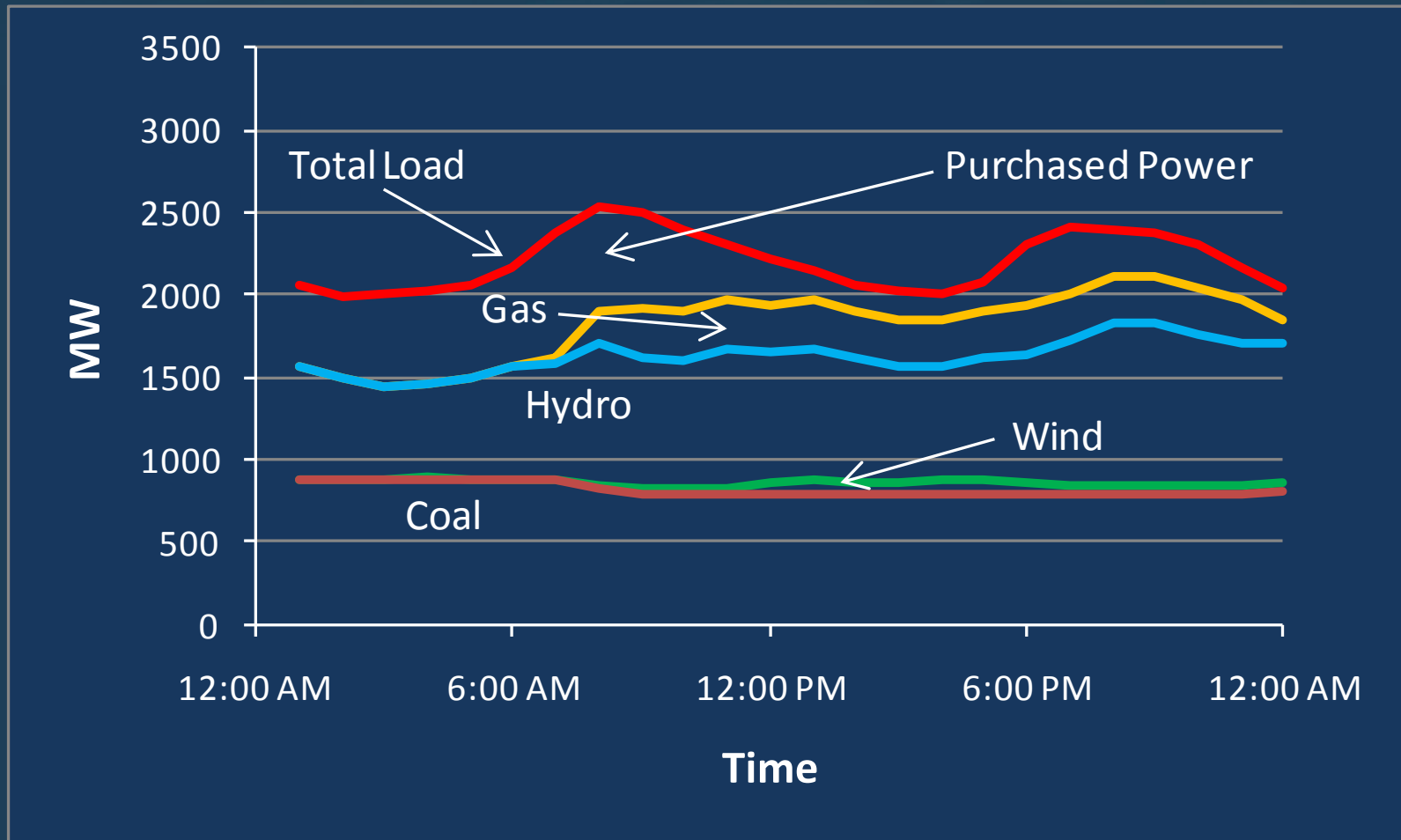
Idaho Power Summer Load

July 17, 2009 (Friday, Boise high = 101°)

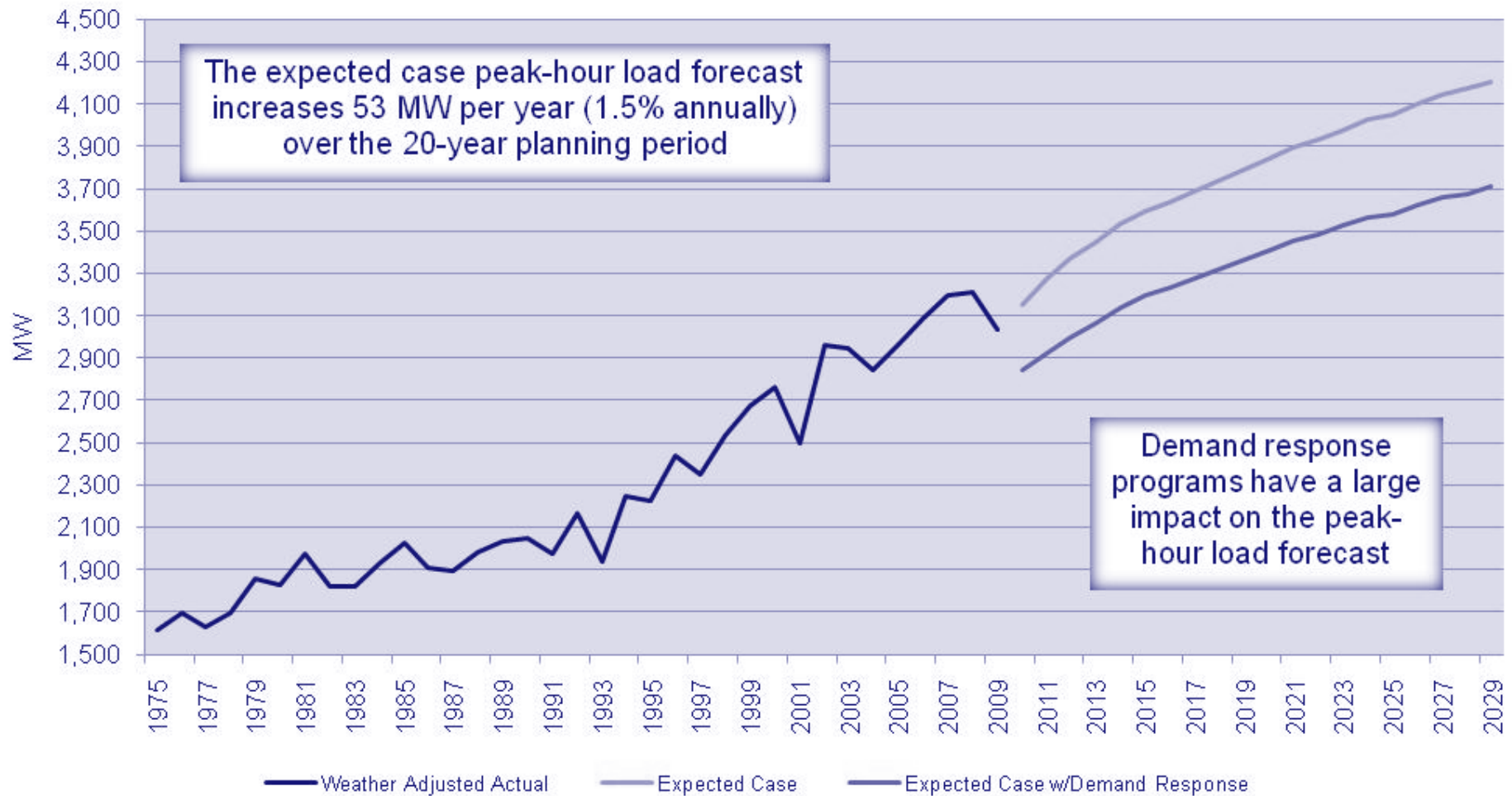


Idaho Power Winter Load

December 10, 2009 (Thursday, Boise high = 19°, Low = 0°)



Peak-Hour Load Forecast



Demand Response Programs

- Peak Reduction—500 MW
 - AC Cool Credit
 - Agricultural Irrigation Peak Rewards
 - Flex-peak Management for commercial business

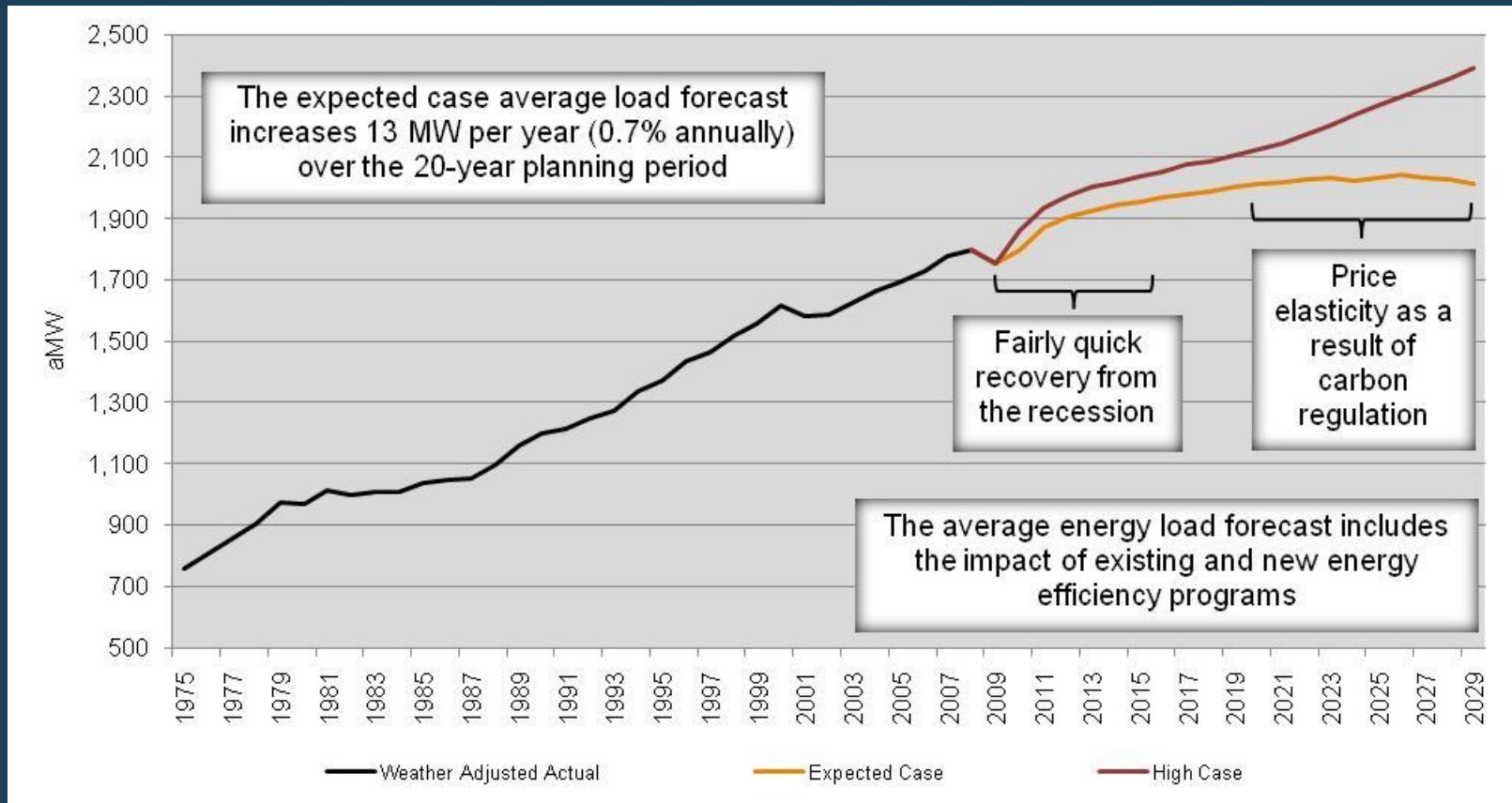


“Why is a Utility Paying Customers?”



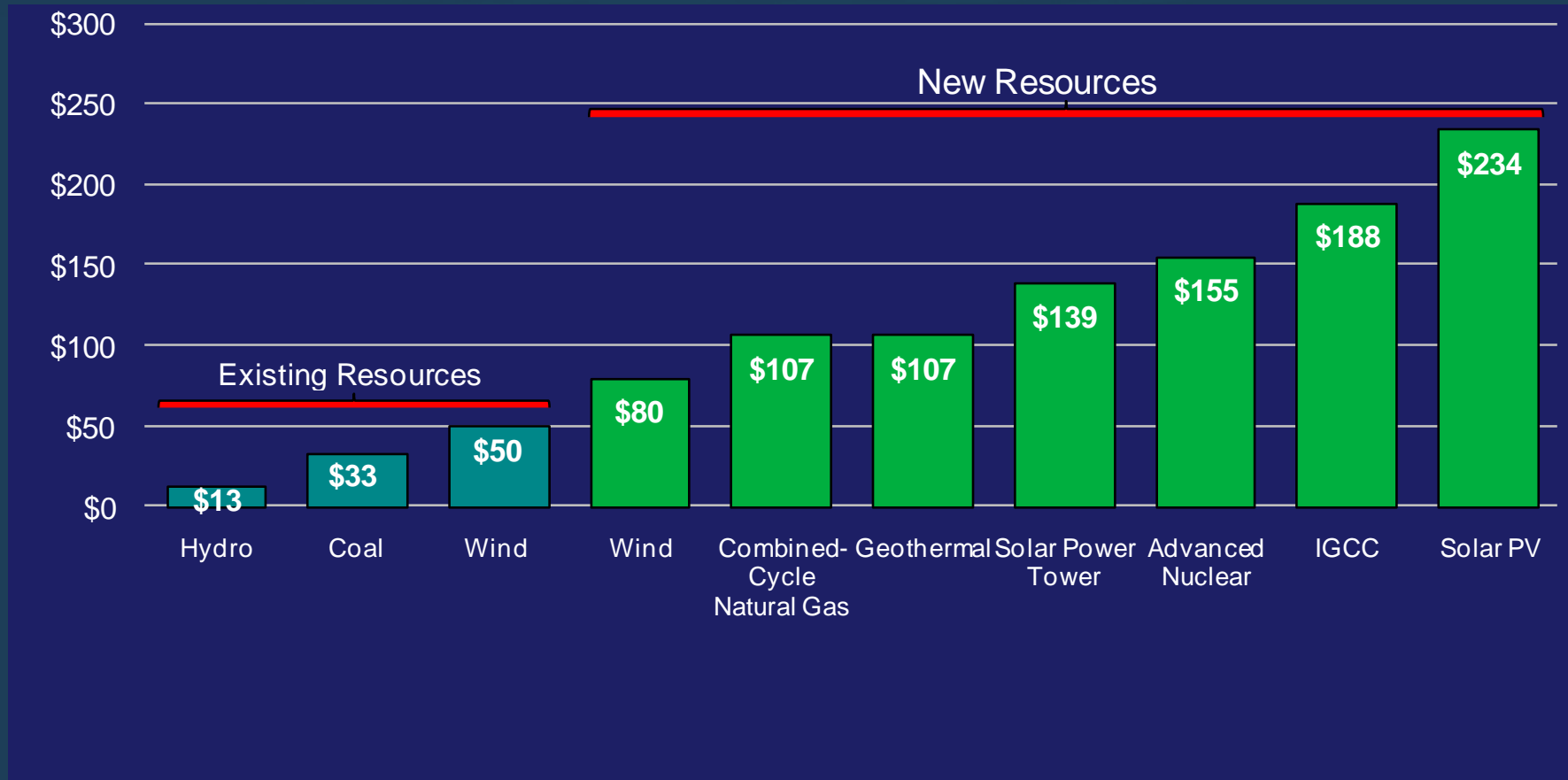
The New York Times
January 24, 2010

Average Energy Load Forecast



Generation Cost

Dollars per MWh



2009 IRP Preferred Portfolio

- 2012** Wind - 150 MW
Langley Gulch - 300 MW
Geothermal - 20 MW
- 2015** Shoshone Falls - 49 MW
Boardman to Hemingway –
250 MW
- 2016** Geothermal - 20 MW
- 2017** Boardman to Hemingway –
175 MW

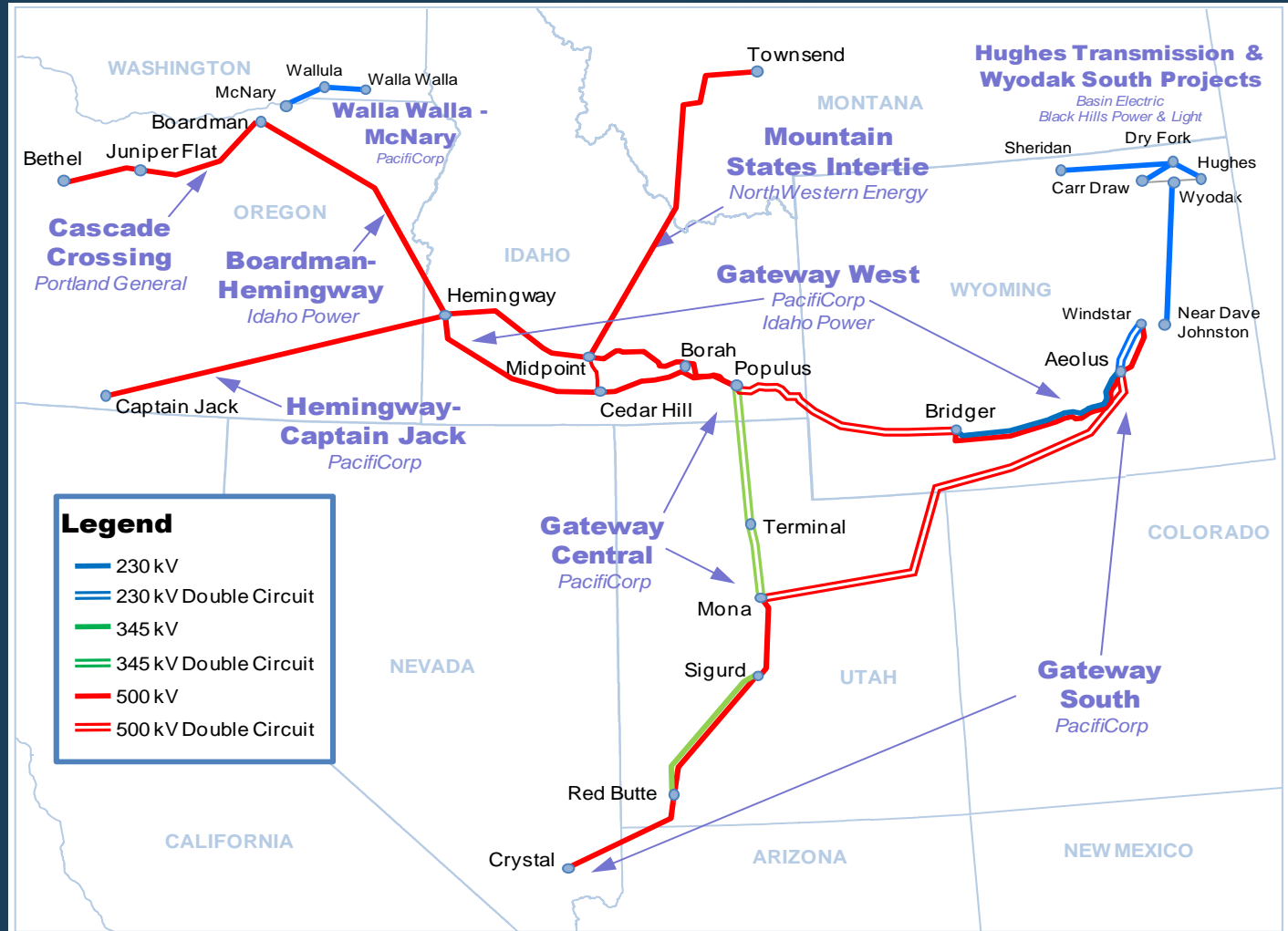


IRP Summary

- The 2009 IRP load forecast projects a fairly quick rebound from the recession and long-term reduced use per customer in response to higher rates
- The 2009 IRP anticipates a federal RES and the preferred portfolio is designed to provide renewable energy credits to be compliant
- The Boardman to Hemingway portfolio outperforms the option of building additional gas plants locally

Regional Transmission Planning

Northern Tier Transmission Group

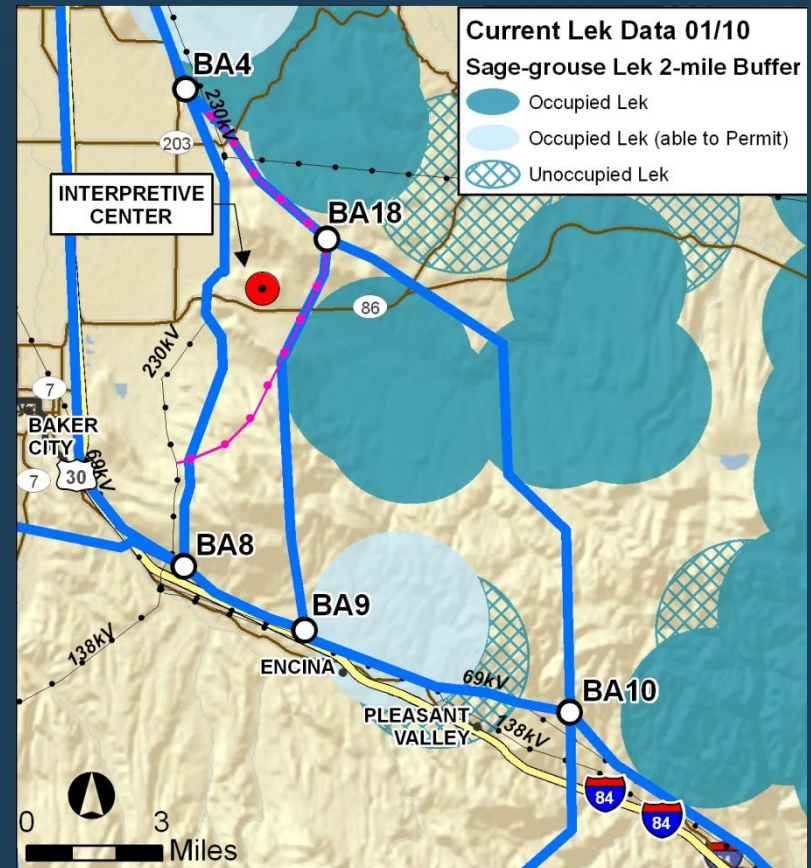


Transmission Siting and Environmental Effects

- Avoid impacts through routing and siting
- Minimization measures
 - Conform with state-wide plans
 - Implement environmental protection measures
- Implement spatial and temporal restrictions
- Mitigate direct and indirect impacts
 - Mitigation banking
 - In lieu of fee program
 - Manage mitigation lands

Boardman to Hemingway

- Siting Issues
 - Public vs. Private Concerns
- Baker City
 - Viewshed from Oregon Trail Interpretive Center
 - Sage grouse leks
 - Private property
 - Irrigated agriculture
 - Residential development



More Information

- Idaho Power IRP
 - www.idahopower.com/2009IRP
- Boardman to Hemingway
 - www.boardmantohemingway.com
- Gateway West
 - www.gatewaywestproject.com
 - www.wy.blm.gov/nepa/cfodocs/gateway_west/index.php